

REMARKS

Claims 13 and 28 have been amended. Claims 16 and 17 have been cancelled. New dependent claims 33 and 34 ultimately depending from claim 13 have been added. Claims 13 -15 and 18 - 34 are currently pending in the present application.

In the Office Action, claims 13 and 28 are rejected under 35 U.S.C. §112, second paragraph, as being indefinite. Furthermore, in the Office Action, claims 13-18 and 24 are rejected under 35 U.S.C. §102(b) as being anticipated by Stumpf et al DE 101 61 154. Also, in the Office Action, claims 19-23 and 25-32 are rejected under 35 U.S.C. §103(a) as being unpatentable over Stumpf et al DE 101 61 154 in view of Döbbeling et al US Patent No. 5,807,097.

With respect to the rejection of claims 13 and 28 under 35 U.S.C. §112, second paragraph, as being indefinite, it is respectfully submitted that this rejection is now moot in view of the amendment of claims 13 and 28.

Applicant respectfully traverses the rejection of claims 13-18 and 24 under 35 U.S.C. §102(b) and 35 U.S.C. §103(a) in view of the amendments of claims 13 and 28, the cancellation of claims 16 and 17, and the following comments.

Claim 13 of the present application as currently amended recites a gas burner for liquid fuel, the gas burner including an evaporator for evaporating the liquid fuel, an evaporation chamber limited by a boundary wall, and a gas discharge channel for producing a gas jet formed in the boundary wall. According to claim 13 of the present application as currently amended, the

evaporator boundary wall constructed at least as a double-walled structure with an inner wall and an outer wall.

It is submitted that Stumpf et al DE 101 61 154 fails to teach or disclose the burner as recited in claim 13 of the present application. For example, it is not seen that Stumpf et al DE 101 61 154 teaches or discloses a gas burner having an evaporator whose boundary wall is constructed at least as a double-walled structure with an inner wall and an outer wall, as recited in claim 13 of the present application. Instead, Stumpf et al DE 101 61 154 discloses a gas burner provided with an evaporator which is connected to an intake pipe for the fuel and a gas discharge channel which is directed towards a baffle device for a gas/air-gas mixture. This known gas burner suffers from the problem that cracking products are produced, forming deposits in the evaporator and at the gas discharge channel, and these must be removed after operation of the burner to avoid any blockage of the gas discharge channel. In contrast, the present invention provides a gas burner for liquid fuel which can be operated reliably for the reason that the evaporator is embodied at least as double-walled with an inner wall and an outer wall.

It is further submitted that neither Stumpf et al DE 101 61 154 nor Döbbeling et al US Patent No. 5,807,097, either alone or in combination, teaches or discloses the gas burner as recited in claim 13 of the present application as currently amended. For example, Stumpf et al DE 101 61 154 discloses a gas burner and Döbbeling et al US Patent No. 5,807,097 discloses a conically shaped gas discharge channel but neither reference teaches or discloses a gas burner having the features of the gas burner recited in claim 13 of the present application including an evaporator whose boundary wall is constructed at least as a double-walled structure with an inner wall and an outer wall. Moreover, Applicant submits that neither Stumpf et al DE 101 61 154 nor Döbbeling et al

US Patent No. 5,807,097 provide any motivation, suggestion, or teaching to one of ordinary skill in the art of the desirability of selectively combining either of their respective arrangements with one another, let alone combining these arrangements with one another so as to provide the gas burner such as recited in claim 13 of the present application. Moreover, even if either Stumpf et al DE 101 61 154 or Döbbeling et al US Patent No. 5,807,097 did provide one of ordinary skill in the art with some motivation to achieve the suggested combined arrangement, which Applicant submits that neither of these two references does, neither Stumpf et al DE 101 61 154 nor Döbbeling et al US Patent No. 5,807,097 provides any teaching as to how the arrangement shown either Stumpf et al DE 101 61 154 or Döbbeling et al US Patent No. 5,807,097 should be modified to arrive at the suggested combined arrangement. Accordingly, it is submitted that claim 13 of the present application is neither taught nor disclosed by any combination of neither Stumpf et al DE 101 61 154 nor Döbbeling et al US Patent No. 5,807,097.

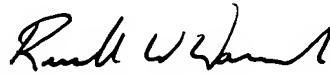
Thus, it is accordingly believed that none of the cited prior art teaches or discloses the gas burner as recited in claim 13 of the present application as currently amended. Claims 16 and 30 of the present application are, therefore, believed to be patentable over the prior art and, since claims 14, 15, 18 – 27, 33, and 34 are ultimately dependent on claim 13 of the present application, it is submitted that these claims are patentable for at least the reason that claim 13 is patentable.

Additionally, it is respectfully submitted that independent claim 28 and dependent claims 29 – 32 depending therefrom patentably define over the prior art of record as well.

CONCLUSION

In view of the above, entry of the present Amendment and allowance of claims 13 -15 and 18 - 34 are respectfully requested. If the Examiner has any questions regarding this amendment, the Examiner is requested to contact the undersigned. If an extension of time for this paper is required, petition for extension is herewith made.

Respectfully submitted,



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